

CLAIM AMENDMENTS

1-7. (Canceled)

8. (First Amended) A method for identifying a test compound as a candidate for an antibiotic, comprising:

- a) contacting 2-Isopropylmalate and H₂O with a *Magnaporthe* 3-Isopropylmalate dehydratase;
- b) contacting 2-Isopropylmalate and H₂O with the *Magnaporthe* 3-Isopropylmalate dehydratase and a test compound; and
- c) determining the change in concentration for at least one of the following: 2-Isopropylmalate, H₂O, and/or 3-Isopropylmalate,

wherein a change in concentration for any of the above substances between steps (a) and

(b) indicates that said test compound is a candidate for an antibiotic.

9. (Canceled)

10. (Canceled)

11. (Original) The method of claim 8, wherein said 3-Isopropylmalate dehydratase is SEQ ID NO: 3.

12. (Canceled)

13. (First Amended) A method for identifying a test compound as a candidate for an

antibiotic, comprising:

- a) contacting 3-Isopropylmalate with a *Magnaporthe* 3-Isopropylmalate dehydratase;
 - b) contacting 3-Isopropylmalate with the *Magnaporthe* 3-Isopropylmalate dehydratase and a test compound; and
 - c) determining the change in concentration for at least one of the following: 2-Isopropylmalate, H₂O, and/or 3-Isopropylmalate,
- wherein a change in concentration for any of the above substances between steps (a) and (b) indicates that said test compound is a candidate for an antibiotic.

14. (Canceled)

15. (Canceled)

16. (Original) The method of claim 13, wherein said 3-Isopropylmalate dehydratase is
SEQ ID NO: 3.

17-49. (Canceled)